

From glowbugs@theporch.com Sun May 12 22:31:39 1996  
Return-Path: glowbugs@theporch.com  
Received: from uro (localhost.theporch.com [127.0.0.1]) by uro.theporch.com  
(8.7.5/AUX-3.1.1) with SMTP id WAA05408; Sun, 12 May 1996 22:27:36 -0500 (CDT)  
Date: Sun, 12 May 1996 22:27:36 -0500 (CDT)  
Message-Id: <199605130327.WAA05408@uro.theporch.com>  
Errors-To: ws4s@midtenn.net  
Reply-To: glowbugs@theporch.com  
Originator: glowbugs@theporch.com  
Sender: glowbugs@theporch.com  
Precedence: bulk  
From: glowbugs@theporch.com  
To: Multiple recipients of list <glowbugs@theporch.com>  
Subject: GLOWBUGS digest 186  
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas  
X-Comment: Please send list server requests to listproc@theporch.com  
Status: 0

#### GLOWBUGS Digest 186

Topics covered in this issue include:

- 1) Re: Equivalent tubes  
by mjsilva@ix.netcom.com (michael silva)
- 2) Re: Equivalent tubes  
by mjsilva@ix.netcom.com (michael silva)
- 3) Help with old (light) iron  
by "Joel R. Hallas 716-223-4153" <HALLAS.JR@a1.rit.edu>
- 4) Re: Equivalent tubes  
by John Kolb <jlkolb@cts.com>

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Date: Sat, 11 May 1996 21:55:34 -0700  
From: mjsilva@ix.netcom.com (michael silva)  
To: glowbugs@theporch.com  
Subject: Re: Equivalent tubes  
Message-ID: <199605120455.VAA22683@dfw-ix2.ix.netcom.com>

Jeff Duntemann wrote:

>Years ago I started a note sheet of such "equivalent" tubes when I  
>discovered that the 6417 was identical to the commonly called-out 5763  
>except for the filament voltage.

I've found that there are actually three categories of "equivalents" or  
"nearly-so's" that I find useful: 1) pin-compatibles with differences  
(heater voltage, power ratings, etc, as mentioned above), 2) "internal"

equivalents with different pinouts, such as the 6F8G, which is a 6SN7 with one grid coming out to a cap, or the 77, which is a 6J7 in a 6-pin base (and then there's the 57, which is the same beast in a 6-pin base and has a 2.5v heater). Finally, 3) "prototypes", which are more-or-less equivalent octal (usually) "parents" of miniature tubes. Some examples of these are 6CL6 (prototype: 6AG7), 6AU6 (6SH7), 6BA6 (6SG7), and 6AQ5 (6V6). The ARRL Handbooks of the early-mid '50s indicate prototypes for many miniature tubes.

For category-1 equivalents the 1973 GE Tube Book (reprinted from AES) is a good source -- they have a couple of tables devoted to equivalent part numbers. Also the ARRL Handbook tube sections list identical transmitting tubes with different heater voltages on the same line, so they're easy to pick out.

73,  
Mike, KK6GM

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Date: Sun, 12 May 1996 02:18:36 -0700  
From: mjsilva@ix.netcom.com (michael silva)  
To: glowbugs@theporch.com  
Subject: Re: Equivalent tubes  
Message-ID: <199605120918.CAA06676@dfw-ix8.ix.netcom.com>

I wrote:

>For category-1 equivalents the 1973 GE Tube Book (reprinted from AES)  
>is a good source -- they have a couple of tables devoted to equivalent  
>part numbers.

Actually these tables are for what I guess I'm backed into calling "category-0" equivalents -- the exact same tube (or maybe with minor differences) under a different number, such as 6AS7G/6080, or 12AT7/6201. Still, a very useful book.

73,  
Mike, KK6GM

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Date: Sun, 12 May 1996 09:27:00 -0500 (EST)  
From: "Joel R. Hallas 716-223-4153" <HALLAS.JR@a1.rit.edu>  
To: "@a1gate.rit.edu:glowbugs%theporch.com@vmssmail"  
Subject: Help with old (light) iron

Message-ID: <01I4M5RHZFQEBHB37W@a1gate.rit.edu>

Folks, I recently picked up a couple of old receivers at an auction. They were the post-war bottom of the line from Hallicrafters (S-38C) and National (SW-54). Of course neither worked and neither had books!

They are basicly 5-tube ac/dc sets with octal and 7-pin tubes respectively, however, there are a few twists and a few charred resistors, so it would be very helpful to have schematics and/or manual copies for these.

I would be happy to pay for copying and postage if someone could help with one or the other of these, or I could copy and return.

my e-mail address is JRHIEE@RIT.EDU

snail-mail is 52 Rolling Hill Drive  
Fairport, NY 14450

Thanks and 73, Joel Hallas, W1ZR/2

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Date: Sun, 12 May 1996 10:16:47 -0700 (PDT)  
From: John Kolb <jlkolb@cts.com>  
To: michael silva <mjsilva@ix.netcom.com>  
Subject: Re: Equivalent tubes  
Message-ID: <Pine.SCO.3.91.960512095741.29933A-100000@sd.cts.com>

On Sun, 12 May 1996, michael silva wrote:

> Actually these tables are for what I guess I'm backed into calling  
> "category-0" equivalents -- the exact same tube (or maybe with minor  
> differences) under a different number, such as 6AS7G/6080, or  
> 12AT7/6201. Still, a very useful book.

The 1970 Sylvania Technical Manual has three different tube replacement guides.

The Sylvania Double/Brand Replacement Guide converts tubes like 12AX7 to 12AX7A/ECC83.

The Foreign-American Receiving Tube Replacement Guide has columns for Foreign tube type, American Direct replacement, and American similar types.

The Industrial Receiving Tube replacement guide converts tubes like 6AU6;EF94 to GB-6136 (Premium) 6AU6A (standard).

The 1963 RCA REceiving Tube manual RC-22 doesn't seem to have any type of tube conversion table.

My other RCA Receiving tube manual (invisable at the moment) seemed to be similiar types but not identical in it's replacement guide.

JOhn Kolb KK6IL

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End of GLOWBUGS Digest 186  
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